

High Flow Direct Mount Solenoid Valves

For control of pneumatic actuators

New! 1/4" NPT valve with conversion plate for 3/2, 5/2 operation in one valve



Customer Value Proposition:

Parker Fluid Control Division is continually expanding its Valve Actuation product portfolio to meet the ever increasing demands of the process industry.

We are pleased to introduce the High Flow direct mount NAMUR solenoid valves for the Process and Industrial markets. The High Flow Series complements our highly successful specification grade 7300 Series product line. This product line provides new, cost effective solutions for general purpose customer application needs.

The new 1/4" NPT valve with conversion plate for 3/2, 5/2 operation simplifies ordering, reduces inventory levels and allows for faster delivery.

Common Actuator Applications:

- Water and sewage
- Pulp and paper
- Food and beverage
- Pharmaceutical
- Powder-dosing machines
- Powder transportation
- Process industry
- Twin tower air dryers



Product Information:

Advantages:

- Compact design with NAMUR mounting pattern
- Reduced inventory with new 1/4" NPT valve with conversion plate
- High flow rates up to 3.0 Cv
- Spring return allows fail safe operation in event of power loss
- Screened exhaust nut protects valve function for outdoor use
- Long life expectancy of up to 5 million cycles reduces maintenance
- Class F coils for higher temperature applications
- FM and CSA approved hazardous location coils



ENGINEERING YOUR SUCCESS.

Technical Specifications:

Media: Dry or Lubricated Air
Minimum Ambient Temp: 14°F (-10°C)
Maximum Ambient Temp: 122°F (+50°C)

Body: Aluminum
Seal: FKM
Manual Override: Locking Manual Override standard

High Flow Direct Mount Valves with NAMUR Interface

Port Size NPT	Orifice Size in.	Flow Factor Cv	Operating Pressure Differential (MOPD)		Wattage	Function	Solenoid	Min. Fluid Temp. °F	Max. Fluid Temp. °F	Pressure Vessel Number
			Minimum PSI	AC/DC Rating PSI						
1/4	.27	1.2	37	150	5 W	3/2, 5/2	Single	32°F	122°F	U341N05
1/4	.27	1.2	30	150	5 W	5/2	Double	32°F	122°F	U347N03
1/4	.27	1.2	45	150	5 W	5/3	Double	32°F	122°F	U342N03
1/2	.47	3.0	37	150	5 W	3/2	Single	32°F	122°F	U331N04
1/2	.47	3.0	37	150	5 W	5/2	Single	32°F	122°F	U341N04

How to Order Modular Components:

Select Pressure Vessel from above chart - Choose the coil and voltage code from charts below
 When selecting a Hazardous location coil, you must also select the corresponding Coil Spacer Plate Kit.
 (coil spacer plate kit not required for U341N05)

Examples:

U341N05 + ND1A = 1/4" NPT 3/2, 5/2 valve with 12VDC coil
 U341N05 + NH1A = 1/4" NPT 3/2, 5/2 valve with 12VDC Hazardous location conduit coil
 U347N03 + NH1A (2) + N60012 = 1/4" NPT 5/3 valve with Hazardous location conduit coils and coil spacer plate

22mm DIN



Voltage	Coil	* Voltage Code
12 VDC	ND1*	A
24 VDC	ND1*	B
24/60	ND1*	E
120/50-60	ND1*	F
240/50-60	ND1*	G

DIN Coil Electrical Options (Order Separately)

Option Part Number	Option
DX001	Din Form "B" Strain Relief Cable Gland Connector
DX002	Din Form "B" 1/2" NPT Conduit Plug Connector

Protection Class - NEMA 4, Approvals- UL, CSA

Conduit - Hazardous Location Coil



Voltage	Coil Code	* Voltage Code
12 VDC	NH1*	A
24 VDC	NH1*	B
24/60	NH1*	E
120/60	NH1*	C
240/60	NH1*	D

Approvals- FM[†], CSA
 NEMA 7,9
 FM and CSA approvals for Class 1, Group A,B,C,D and Class II, Groups E,F,G. [†]Meets Ex m T4 Zone 1.

Hazardous Location Coil Spacer Plate Kits

N60012: Spacer plate with seals and longer mounting screws (1/4" Spacer plate required for Hazardous coils on pressure vessels U347N03, U342N03)

N60002: Spacer plate with seals and longer mounting screws (1/2" Spacer plate required for Hazardous location coils on pressure vessels U331N04, U341N04)

How to order Complete Valves:

For technical specifications and details on the pressure vessel (first 7 digits) refer to top of page.

Valve with DIN Coil	Valve with Hazardous Location Coil
U341N05ND1*	U341N05NH1* (spacer plate not required)
U347N03ND1*	U347N03NHA* (spacer plate included)
U342N03ND1*	U342N03NHA* (spacer plate included)
U331N04ND1*	U331N04NHA* (spacer plate included)
U334N04ND1*	U334N04NHA* (spacer plate included)

*Add voltage code from the above coil charts to complete part number.

